

# Notice of Allowability

Application No.

10/083,280

Applicant(s)

SUGAYA, SHIGERU

Examiner

Thien D. Tran

Art Unit

2616

**The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/3/2006.
2. ☒ The allowed claim(s) is/are 1, 4, 5, 2, 6, 8 renumbered as 1-6 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior arts fail to teach or fairly suggest a radio transmission method for transmitting a packet from a radio transmission apparatus serving as an information transmitter to a radio transmission apparatus serving as an information receiver, returning receipt acknowledging information of a received packet from the radio transmission apparatus serving as the information receiver to the radio transmission apparatus serving as the information transmitter after transmission of information, and retransmitting an unreceived packet from the radio transmission apparatus serving as the information transmitter to the radio transmission apparatus serving as the information receiver in a wireless network, the wireless network being formed with a plurality of transmission apparatus serving as communication stations, the radio transmission method comprising the steps of:

automatically retransmitting only a packet whose receipt acknowledging information has not been received on arrival of a frame cycle for retransmission; and

wherein the frame cycle for retransmission is preset to an arbitrary frame cycle depending on size of an asynchronous transmission area available for asynchronous transmission in a radio transmission line allowing band-reserved transmission or band-secured transmission, within the structure of the independent claim 1.

Regarding claim 2, the prior arts fail to teach or fairly suggest a radio transmission method for transmitting a packet from a radio transmission apparatus

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serving as an information transmitter to a radio transmission apparatus serving as an information receiver, returning receipt acknowledging information of a received packet from the radio transmission apparatus serving as the information receiver to the radio transmission apparatus serving as the information transmitter after transmission of information, and retransmitting an unreceived packet from the radio transmission apparatus serving as the information transmitter to the radio transmission apparatus serving as the information receiver in a wireless network, the wireless network being formed with a plurality of transmission apparatus serving as communication stations, the radio transmission method comprising the steps of:

referring to a transmission pointer value of a frame cycle for retransmission in each the frame cycle and automatically retransmitting only a packet whose receipt acknowledging information has not been received, within the structure of the independent claim 2.

Regarding claim 8, the prior arts fail to teach or fairly suggest a radio transmission apparatus for transmitting information in a wireless network, the wireless network being formed with a plurality of communication apparatus serving as communication stations, the radio transmission apparatus comprising:

retransmitting means for referring to the transmission pointer value of a frame cycle for retransmission in each the frame cycle and automatically retransmitting only a packet whose receipt acknowledging information has not been received, within the structure of the independent claim 8.

***Conclusion***


2. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (571) 272-3156. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To, can be reached on (571) 272-7629. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Patent Examiner

Thien Tran



DORIS H. TO  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600